

Climatological Data for July, 1910.
DISTRICT No. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL CLIMATOLOGICAL CONDITIONS.

The month of July was characterized by remarkably steady temperatures which averaged above normal for the district. No general excessively high temperatures were reported, and there was no frosty weather, except at a few of the more elevated stations. The precipitation averaged above normal, and the drought, which had extended from March 1, was broken during the month when good showers fell in most localities. These showers were sufficient to benefit vegetation, and raise the water to some extent in the streams. There was generally sufficient water for irrigation, but at the end of the month it was getting low and was much lower than it had been for many years.

TEMPERATURE.

This month takes rank as one of the warmest months of its name on record, the mean being 72.0° . In Utah the average temperature for the month was exceeded in only three previous years, and in Nevada in only five. The mean temperature ranged from 63.6° at Evanston in southwestern Wyoming to 83.2° at Jean in southern Nevada. The highest mean temperatures occurred in the valleys of Utah and in western Nevada, and the lowest means were confined to the more elevated portions of the district. The record for the month shows a remarkable regularity in temperature, there being no period of widespread high or low temperatures. As a rule, the first six days of the month were coolest. The temperature then rose gradually, with some local exceptions, culminating in two periods of high temperature, the 18th and 25th.

The highest temperature for the district was 110° on the 11th at Jean in southern Nevada. Other high maximum temperatures were 108° on the 26th, at Battle Mountain, Nev., and 105° , on the 14th, at Corinne, Utah. There were 22 stations which reported maximum temperatures of 100° or more; while only three stations reported maximum temperatures below 90° .

Excepting at five stations, the minimum temperatures occurred on the first six days of the month. Only 11 stations reported minimum temperatures of 32° or below. The lowest temperature recorded was 28° on the 5th at Cobre and Potts, Nev.

PRECIPITATION.

As a rule, the precipitation in July is very light in the Great Basin; but during the present month it was unusually heavy in most localities. The greatest amounts fell along the western slope of the Wasatch Mountains in Utah and at scattered places in Nevada. The greatest excesses occurred in southern Utah, and the greatest deficiencies in the Oregon area and in northern Nevada.

The greatest monthly amount was 3.41 inches at Paquitch Lake, Utah, and the greatest 24-hour amount 1.85 inch on the 13th at Jean, Nev. One of the heaviest showers on record at Reno, Nev., occurred on the 17th, where from 4:20 p. m. to 7 p. m. 0.82 inch fell; in 5 minutes 0.15 inch, and in 30 minutes 0.54 inch fell.

The first decade was very dry, only a few local showers having been recorded. The wettest periods of the month centered about the 15th and the 27th, except in the California area, where most of the rain fell on the 17th, 18th, and 19th; and in the Oregon area no rain fell after the 21st.

MISCELLANEOUS.

Sunshine during the month was abundant throughout the district. At Salt Lake City, Utah, 73 per cent of the possible amount was recorded.

There were, on the average, 4 rainy, 15 clear, 10 partly cloudy, and 6 cloudy days.

The highest wind reported was 56 miles an hour from the southwest on the 3d at Modena, Utah.

INFLUENCE OF SOIL MULCHES IN CHECKING EVAPORATION.

By DON H. BARK, Office of Irrigation Investigations, Boise, Idaho.

Irrigation water has always been subject to enormous losses before it reaches the farmers' fields, and it has long been known that but a small part of the amount actually diverted from the streams is used beneficially by the crops. But how to cut down this loss and thus make our available water supply cover and produce maximum crops on more land has long been the problem. These losses occur from seepage and evaporation from the ditches before the water reaches the field and from evaporation and waste afterward. The Irrigation Investigation Division of the United States Department of Agriculture has been studying these various losses and the best means of eliminating them for the past ten years, and the experiment herein described is given in detail, along with many others, in Office of Experiment Station Bulletin No. 177.

In conducting experiments on evaporation losses from the soil, the greatest difficulty is in securing natural normal conditions. Laboratory tests with small amounts of soil are easily made, but the evaporation from soils and the artificial surroundings of a laboratory as regards temperature, humidity, and wind movement are likely to be quite different from that from similar soils in the open, so it was decided at the outset that all experiments along these lines should be carried out with large amounts of soil and in the open field.

The plan followed in determining the rate and amount of evaporation from the soil was to remove about 1,200 pounds of soil from the field and place it in a water-tight cylindrical vessel as nearly as practicable in its natural position, and by periodical weighings to determine the loss of moisture from it. The equipment which was used consists of 8 water-jacketed galvanized iron tanks 2 feet in diameter and 4 feet high. The outer tanks are set in the ground in a typically located spot and the inner tanks are carefully filled with 4 feet of soil compacted to its normal density by tamping, after which they are weighed and lowered into the outer tanks which have previously been partly filled with water.

Water equivalent to 4 or 6 inch irrigation is then applied to each tank and the influence of wind, shade, mulches, and cultivation upon evaporation are carefully determined by figuring these factors and weighing the tanks twice each week.

Tank equipments are now installed and have been operated for the past two years in the following places: Bozeman, Mont.; Williston, N. Dak.; Reno, Nev.; Sunnyside, Wash.; Davis, Cal.; and Caldwell, Idaho. These localities cover a wide range of climatic conditions, and with an equipment flexible enough to carry on various experiments in the evaporation from the soils a large number of valuable results are looked for in the next few years. The results which were obtained up to January, 1907, are given in Office of Experiment Station Bulletin No. 177, and other bulletins will be issued later on giving the results from a wider range of experiments which have been carried on since that time. The experiment herein described is taken from that bulletin and was carried on at Riverside, Cal., during June and July, 1907, for the purpose of determining the amount of evaporation from orchard soils with different depths of soil mulch, and to compare the effect of different depths of mulch upon the evaporation. Fourteen water-jacketed tanks were



MONTHLY WEATHER REVIEW.

JULY, 1910

TABLE 1.—Climatological data for July, 1910. District No. 10, Great Basin.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Number of rainy days, .10 inch or more.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.					
<i>Wyoming.</i>																			
Border.	Uinta.	6,085	7	65.0	+ 2.9	93	25	32	1	54	0.18	- 0.19	0.13	0.0	2	14	8	9	w.
Cokeville.	do.	6,204	0	64.8		96	17†	31	6	56	0.95	0.78	0.0	0	5	20	8	3	w.
Evanston.	do.	6,860	13	63.6	+ 1.7	87	18†	37	5†	44	1.35	+ 0.59	0.35	0.0	8	10	14	1	sw.
<i>Idaho.</i>																			
Geneva.	Bear Lake.	5,400	3	73.0		96	18†	39	5	48	1.11		0.40	0.0	2	29	2	0	
Grace.	Bannock.	4,750	4	64.7		91	19	35	5	52	1.10	+ 0.42	0.38	0.0	9	16	15	0	w.
Oxford.	do.	5,948	16	64.7	+ 1.1	91	19	35	5	52	1.10	+ 0.42	0.38	0.0	9	16	15	0	w.
Paris.	Bear Lake.	4,520	13	70.2	+ 2.1	96	18	37	5	47	0.93	+ 0.34	0.63	0.0	4	22	8	1	sw.
Stone.	Oneida.	4,460	13	70.2	+ 2.1	96	18	37	5	47	0.93	+ 0.34	0.63	0.0	4	22	8	1	sw.
Weston.																			
<i>Utah.</i>																			
Alpine.	Utah.	4,900	13	72.5		91	24	46	5	37	2.08		0.68	0.0	11	10	16	5	sw.
Annabella.	Sevier.	5,250	5	70.9		91	24	46	5	37	2.08		0.68	0.0	11	10	16	5	sw.
Beaver.	Beaver.	6,000	7	72.4		99	20†	38	5	57	1.99	+ 1.58	0.83	0.0	4	6	20	5	
Black Rock.	Millard.	4,872	10	72.4		96	18	37	5	47	0.93	+ 0.34	0.63	0.0	4	22	8	1	sw.
Blacksmiths Fork.	Cache.	1																	
Card Canyon.	Summit.	6,244	7																
Castle Rock.	Iron.	5,750	5																
Cedar City.	Boxelder.	4,340	40	76.8	- 2.3	105	14	42	5	56	0.72	+ 0.29	0.72	0.0	1	15	13	3	s.
Corinne.	Millard.	4,541	16	74.7	+ 2.7	99	19	43	6	50	0.38	+ 0.23	0.15	0.0	4	13	11	7	s.
Deseret.	Washington.	4,270	2																
Enterprise.	Davis.	4,267	10	73.4	+ 0.9	96	13†	46	6	43	1.66	+ 1.29	0.78	0.0	4	8	11	12	s.
Farmington.	Millard.	5,100	20	76.2	+ 0.9	102	24	43	5	46	1.84	+ 1.21	1.39	0.0	8	9	3	sw.	
Fillmore.	Wasatch.	7,319	16	75.0	+ 1.2	98	24	50	6	49	0.96	+ 0.20	0.28	0.0	5	14	9	8	nw.
Friese Summit.	Beaver.	5,606	17	67.4	+ 1.5	98	25	35	1†	58	1.01	+ 0.21	0.55	0.0	4	16	14	1	s.
Garland.	Boxelder.	5,301	11	67.1	+ 2.3	95	18	32	6	57	2.66	+ 2.09	1.49	0.0	5	13	13	5	w.
Garrison.	Millard.	7,500	5			95†	24				0.65		0.35	0.0	4	12	17†	14	w.
Government Creek.	Tooele.	5,277	10	74.4	+ 1.3	96	25	43	5	37	0.93	+ 5.1	1.40	0.0	6	14	14	3	s.
Grantsville.	do.	1																	
Grouse Creek.	Boxelder.	5,250	17																
Heber.	Wasatch.	5,606	17	67.4	+ 1.5	98	25	35	1†	58	1.01	+ 0.21	0.55	0.0	4	16	14	1	s.
Henefer.	Summit.	5,301	11	67.1	+ 2.3	95	18	32	6	57	2.66	+ 2.09	1.49	0.0	5	13	13	5	w.
Ibapah (near).	Tooele.	5,370	1																
Ibex.	Millard.	5,370	1	77.1		97	25	51	5	33	1.24		0.76	0.0	5	19	8	4	se.
International.	Tooele.	5,370	1	77.1		97	25	51	5	33	1.24		0.76	0.0	5	19	8	4	se.
Joseps.	do.	5,250	2																
Kanosh.	Millard.	4,230	32	73.0	- 4.4	97	20†	41	5	45	0.65	+ 0.29	0.65	0.0	2	10	20	1	sw.
Kelton.	Boxelder.	5,010	20	73.5	+ 2.4	98	28	46	6	43	0.26	+ 0.34	0.18	0.0	4	16	12	3	sw.
Levan.	Juab.	4,507	19	75.3	+ 3.9	97	25	48	4	37	0.79	+ 0.37	0.49	0.0	2	12	14	5	n.
Logan.	Cache.	4,504	6	76.2		101	13†	45	5†	54	T.	T.	0.0	0	2	12	14	5	n.
Lucin.	Boxelder.	5,575	16	66.1	- 4.4	83	23	50	1†	27	0.75	+ 0.22	0.19	0.0	7	5	3	23	
Manti.	Sanpete.	6,750	6																
Marion.	Summit.	6,280	11	68.9	+ 2.6	94	25	39	1†	49	0.62	- 0.37	0.20	0.0	8	10	5	16	s.
Marysville.	Rich.	6,200	11	66.6	- 1.6	92	18	36	1	49	0.50	+ 0.01	0.25	0.0	2	25	3	3	w.
Meadowville.	Beaver.	4,962	6	74.2		101	19	45	1†	51	0.50		0.50	0.0	1	9	1	21	sw.
Miford.	Cache.	4,848	15																
Millville.	Beaver.	5,070	13																
Minersville.	Iron.	5,479	10	72.1	+ 2.4	96	21	44	6	46	0.91	+ 0.60	0.43	0.0	10	9	15	7	w.
Modena.	Morgan.	4,280	7																
Morgan.	Sanpete.	5,519	2	72.0		97†	25	49†	1†	46†	0.88		0.33	0.0	8	10	13	8	sw.
Moroni.	Utah.	4,650	9	79.8		100	13†	58	24	35	0.98		0.33	0.0	4	20	10	1	s.
Nephi (near).	Juab.	6,059	7																
Oak City.	Millard.	4,900	6	78.8		103	25	47	5	43	1.06		0.32	0.0	8	11	14	6	
Ogden.	Weber.	4,310	9	76.0		94†	13†	47†	5	32	0.26		0.12	0.0	3	23	5	2	nw.
Panguitch Lake.	Garfield.	9,000	1																
Park City.	Summit.	7,800	13																
Parowan.	Iron.	5,970	19	70.6	- 0.5	93	21	46	5	36	2.18	+ 1.24	0.71	0.0	8	16	0	15	
Peyson.	Utah.	4,637	7																
Pinto.	Washington.	5,907	13	67.4	+ 0.8	92	10†	33	1†	48	2.50	+ 1.45	0.55	0.0	7	8	10	13	s.
Promontory.	Boxelder.	4,913	39	76.0	+ 2.9	101	13†	48	6	48	0.58	+ 0.35	0.40	0.0	3	6	25	0	n.
Provo.	Utah.	4,532	18																
Randolph.	Rich.	6,442	7																
Richfield.	Sevier.	5,350	20	71.4		97†	22	42†	1	50†	1.00	+ 0.45	0.36	0.0	7				
Saltair.	Salt Lake.	4,220	7	76.8		92	17	56	6	27	0.92		0.37	0.0	3				
Salt Lake City.	do.	4,360	37	77.6	+ 1.4	97	19	54	6	35	0.52	- 0.02	0.19	0.0	8	13	16	2	nw.
Scipio.	Millard.	5,260	15	68.8	- 1.2	95	25	36	5	53	0.62	- 0.02	0.17	0.0	7	8	9	14	sw.
Sevier Mine.	Sevier.	6,127																	
Silver City.	Juab.	4,588	1	75.8		98	25	51	6	39	0.43		0.22	0.0	4	7	23	1	s.
Spanish Fork Canyon.	Utah.	4,585	4	64.3		88	25	36	6	42	0.71		0.20	0.0	1	18	2	11	
Strawberry Valley.	do.	5,075	18																
Thistle.	do.	4,900	14	74.0	+ 0.4	96	13	49	6	39	1.35	+ 0.89	0.58	0.0	5	7	8	16	n.
Utah Lake Pumping Sta.	Tooele.	4,500	5																
Woodruff.	Rich.	6,500	12	66.8	+ 6.0	92	25	31	23	54	0.15	- 0.29	0.05	0.0	4	14	9	8	sw.
<i>Oregon.</i>																			
Burns.	Harney.	4,157	20	68.4	+ 3.1	100	14	37	1	56	0.03	- 0.18	0.03	0.0	1	21	10	0	w.
Christmas Lake.	Lake.	4,320	2	63.8		97	13	30	5	55	0.66		0.37	0.0	3	16	10	5	n.
Paisley.	do.	4,500	6	69.6		95	13	42	4	41	0.30</td								

TABLE 1.—Climatological data for July, 1910. District No. 10—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Nevada—Cont'd.</i>																				
Columbia.	Esmeralda.	5,750	3	75.0*	.....	97	81	40	4	40°	1.09	.....	0.48	0.0	5	18	11	2	se.
Dutton.	Elko.	5,100	2	69.2	—	96	13†	36	23	57	0.55	.....	0.55	0.0	1	10	20	1	w.
Elko.	do.	5,342	39	67.6	—	3.3	95	12†	34	3	56	1.71	+ 1.45	1.03	0.0	2	11	13	7	ne.
Ely.	White Pine.	6,421	19	70.4	+ 3.4	95	23	46	16	44	0.94	+ 0.41	0.60	0.0	3	25	4	3	w.	
Eureka.	Eureka.	6,500	7	70.2	—	1.9	93	71	37	5	46	2.62	+ 2.08	0.92	0.0	10	10	6	15	Clay Simms.
Fallon.	Churchill.	3,965	5	74.6	+ 1.1	103	10	38	4	48	0.05	— 0.05	0.03	0.0	2	22	2	7	w.	
Fernley.	Lyon.	4,200	2	75.5	+ 0.6	103	25	44	4	41	0.19	— 0.12	0.19	0.0	1	21	5	5	w.	
Gardnerville.	Douglas.	4,830	10	69.4	+ 1.3	99	7	30	4	54	2.50	+ 2.38	1.00	0.0	3	16	12	3	c.	
Geysir.	Lincoln.	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. C. Henningsen.
Glenbrook.	Douglas.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Goleonda.	Humboldt.	4,697	31	73.3	— 3.0	101	13	42	14	49	0.25	+ 0.18	0.25	0.0	1	26	4	1	s.	
Halleck.	Elko.	5,631	17	76.8	+ 7.1	100	24	47	4	45	0.34	— 0.06	0.26	0.0	2	24	5	2	sw.	
Jean.	Clark.	2,074	2	83.2	.....	110	11	58	5	42	2.05	.....	1.85	0.0	2	26	3	2	sw.
Leetville.	Churchill.	4,020	3	76.6	.....	103	10	44	5	42†	0.30	.....	0.30	0.0	1	.....	.....	.....	U. S. Reclamation Service.
Lewers Ranch.	Washeoe.	5,500	22	68.6	+ 1.9	98	9	32	4	45	0.15	— 0.01	0.15	0.0	2	18	11	2	Ross Lewers.	
Lovelock.	Humboldt.	3,977	7	72.4	— 4.1	102	4†	36	14	63	T.	— 0.13	T.	0.0	0	.....	.....	.....	J. S. Case.
McAfees Ranch.	Esmeralda.	4,835	6	69.0	.....	95	23†	36	4	50	1.95	.....	0.65	0.0	6	14	7	10	C. H. Rodenkirch.
Millett.	Nye.	2	69.0	.....	.....	95	23†	36	4	50	1.95	.....	0.65	0.0	0	14	6	11	Fred J. Jones.
Mina.	Esmeralda.	4,600	3	78.1	.....	104	10†	48	4	52	T.	.....	T.	0.0	0	14	6	11	Southern Pacific Co.
Palmetto.	do.	6,780	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. J. Akin.	
Potts.	Nye.	6,990	17	66.6	— 4.0	95	71	28	5	58	0.18	— 0.48	0.05	0.0	4	2	5	24	s.	
Quinn River Ranch.	Humboldt.	4,850	8	71.8*	.....	99	13	35	3	60	0.40	.....	0.10	0.0	5	20	8	3	sw.
Reno.	Washeoe.	4,532	39	72.8	+ 2.9	97	7	40	4	43	1.45	+ 1.17	1.20	0.0	5	24	5	2	U. S. Weather Bureau.	
Soda Lake.	Churchill.	4,534	3	76.6	.....	98	10†	46	4	39	0.08	.....	0.06	0.0	2	21	10	0	U. S. Reclamation Service.
Tecoma.	Elko.	4,812	32	70.0	— 4.2	102	13	41	4	57	T.	— 0.16	T.	0.0	0	9	17	se.		
Tonopah.	Nye.	6,090	3	73.5	.....	92	11	41	4	30	0.52	.....	0.17	0.0	5	12	19	0	U. S. Weather Bureau.
Wabuska.	Lyon.	4,347	7	71.24	.....	104	11	32	4	56†	0.15	.....	0.15	0.0	1	22	0	9	Vic Bernard.
Wells.	Elko.	5,631	38	73.0	+ 1.9	104	20	34	29	60	0.10	— 0.07	0.05	0.0	2	21	3	7	Southern Pacific Co.	
Winnemucca.	Humboldt.	4,432	31	72.8	+ 1.2	98	25	40	5	49	0.10	— 0.07	0.05	0.0	2	22	7	2	U. S. Weather Bureau.	

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

* Precipitation included in that of the next measurement.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

|| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Estimate by observer.

Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for July, 1910. District No. 10, Great Basin.*

TABLE 2.—*Daily precipitation for July, 1910. District No. 10—Continued.*

Stations.	River basins.	Day of month.																													Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>California—Cont'd.</i>																																		
Silver Creek	East Carson																																	3.30
Tahoe	Truckee																																	
Tallac	do																																	
Truckee	do																																	
Woodfords	West Carson																																	
<i>Nevada.</i>																																		
Aurora	East Walker																																	.
Austin	Reese																																	0.51
Battle Mountain	Humboldt																																	0.43
Beowawe	do																																	T.
Carlin	do																																	0.46
Carson Dam	Carson																																	0.40
Cherry Creek	Humboldt																																	15
Clover Valley	do																																	0.05
Cobre	do																																	1.09
Columbia	Desert																																	0.55
Dutton	Humboldt																																	1.71
Elko	do																																	0.94
Ely	do																																	2.62
Eureka	do																																	0.05
Fallon	Carson																																	0.19
Fernley	Truckee																																	2.50
Gardnerville	Carson																																	0.35
Geysir	Humboldt																																	0.34
Glenbrook	Truckee																																	2.25
Golconda	Humboldt																																	0.30
Halleck	do																																	T.
Jean	Desert																																	0.15
Leetville	Carson																																	0.68
Lewers Ranch	Truckee																																	0.45
Lovelock	Humboldt																																	0.66
McAfee's Ranch	Desert																																	1.45
Millet	Reese																																	1.95
Mina	Desert																																	T.
North Fork	Humboldt																																	0.32
Palmetto	Desert																																	0.18
Paradise Valley	Little Humboldt																																	0.15
Potts	Reese																																	0.40
Quinn River Ranch	Humboldt																																	1.45
Reno	Truckee																																	0.45
Rose Creek	Humboldt																																	0.68
Smith	West Walker																																	1.55
Spooner's Ranch	Truckee																																	0.08
Soda Lake	Carson																																	1.55
Sweetwater	East Walker																																	T.
Tecoma	Humboldt																																	0.53
Tonopah	Desert																																	0.15
Wabuska	Walker																																	0.00
Willow Point	Humboldt																																	0.10
Winnevucca	Humboldt																																	

MONTHLY WEATHER REVIEW.

JULY, 1910

TABLE 3.—Maximum and minimum temperatures at selected stations, July, 1910. District No. 10, Great Basin.

Wyoming.				Utah.				Nevada.				Other States.			
Date.	Border.	Evanston.	Weston, Idaho.	Corinne.	Government Creek.	Deseret.	Iaspah.	Marysville.	Meadowville.	Modena.	Ogden.	Pairowan.	Provo.	Salt Lake City.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1.	86	32	81	38	87	42	90	55	89	50	85	36	85	46	90
2.	89	38	82	39	88	43	90	49	92	53	88	40	87	46	88
3.	79	54	80	40	89	54	86	46	89	56	83	41	88	57	85
4.	74	40	72	48	81	50	86	45	86	63	84	51	86	56	89
5.	75	33	69	37	78	37	98	42	84	47	80	43	85	47	88
6.	80	33	75	37	86	40	96	46	90	43	88	41	83	44	87
7.	84	35	80	40	91	44	98	45	95	45	92	54	86	57	94
8.	83	34	79	41	90	43	98	48	94	51	91	52	88	57	91
9.	83	39	80	40	87	50	100	50	90	55	87	53	92	55	92
10.	85	38	79	43	90	43	96	48	95	63	90	56	84	54	94
11.	86	39	79	48	91	54	98	46	93	63	91	61	90	51	96
12.	91	40	84	47	92	51	99	47	97	57	93	57	92	52	90
13.	91	40	85	47	93	49	102	53	96	58	96	59	93	57	97
14.	89	40	81	44	93	56	105	63	95	58	95	64	90	50	91
15.	82	56	76	50	83	60	95	61	89	63	86	61	83	56	86
16.	89	46	85	45	92	53	98	60	96	57	90	56	84	56	85
17.	91	55	86	55	93	60	100	62	95	57	92	59	88	55	96
18.	94	50	77	50	98	59	102	65	97	60	95	64	94	55	99
19.	92	55	87	54	95	59	105	67	99	60	94	64	91	56	100
20.	90	51	86	51	94	60	100	68	96	55	95	61	90	50	97
21.	88	51	83	50	89	55	104	60	93	55	94	60	91	56	92
22.	89	46	82	51	90	54	101	59	96	59	95	66	92	58	93
23.	79	37	78	40	85	43	97	62	92	71	88	59	89	54	85
24.	83	34	85	41	91	44	99	64	97	45	95	55	94	57	95
25.	93	33	86	45	93	50	102	62	96	54	96	59	93	56	96
26.	86	50	84	55	90	61	105	49	85	64	92	55	87	55	92
27.	87	55	80	56	89	60	98	45	86	62	95	61	89	56	93
28.	85	56	80	55	85	55	94	60	88	55	95	60	88	57	95
29.	88	50	81	48	91	51	98	60	92	60	90	58	89	61	93
30.	89	45	85	46	91	53	101	58	92	59	90	61	92	57	94
31.	87	43	82	48	91	55	99	65	89	65	95	77	95	56	92
Mns.	86.2	43.7	81.3	46.0	89.1	51.2	98.5	55.2	92.2	57.2	90.1	58.7	83.9	55.5	85.5
Burts, Oregon.				Elko.				Ely.				Fallon.			
Date.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	70	37	86	48	88	51	86	49	88	45	101	64	99	52	92
2.	74	38	88	48	91	55	86	51	87	48	101	75	95	48	92
3.	80	41	88	34	90	58	81	55	79	47	97	68	103	50	90
4.	76	40	84	36	92	61	75	43	77	38	93	60	102	54	89
5.	84	40	80	35	88	57	82	37	88	42	100	58	101	37	95
6.	91	50	86	38	86	54	91	46	93	47	106	88	100	37	94
7.	92	51	91	35	90	59	93	50	98	53	109	79	99	48	95
8.	93	56	90	36	84	49	92	50	99	55	109	84	98	41	96
9.	92	45	90	40	87	47	91	50	98	56	107	87	99	45	100
10.	94	42	91	39	90	50	91	53	103	57	109	70	101	43	94
11.	91	61	90	38	88	51	92	53	98	55	110	75	96	48	94
12.	93	50	95	44	84	54	92	52	99	58	107	95	98	41	95
13.	95	50	92	42	80	51	93	53	97	57	103	95	91	46	96
14.	100	44	87	55	85	58	92	50	94	49	103	72	102	47	97
15.	90	43	82	48	80	56	93	49	95	56	101	79	98	48	96
16.	91	40	88	47	75	46	90	56	95	55	102	77	91	48	95
17.	93	41	91	54	86	53	89	68	98	57	102	84	90	45	96
18.	94	42	88	47	84	52	89	68	94	60	103	72	93	46	95
19.	97	64	94	52	87	55	92	55	98	58	105	80	98	53	96
20.	88	58	90	57	82	58	90	50	97	58	108	70	94	50	99
21.	95	42	90	50	94	50	89	53	101	62	106	70	98	53	98
22.	80	37	91	52	90	51	90	56	97	51	103	81	95	50	90
23.	90	42	92	54	95	58	91	54	96	48	103	71	98	52	95
24.	94	52	95	46	92	51	93	56	100	56	101	75	99	50	96
25.	94	56	95	43	81	52	90	57	101	55	99	76	101	53	97
26.	93	52	95	46	85	56	89	55	96	62	102	71	98	52	98
27.	92	50	88	48	88	53	83	50	95	61	97	70	95	54	89
28.	93	54	88	55	89	55	83	52	95	56	101	84	98	54	90
29.	93	52	90	51	91	57	83	51	96	54	102	83	99	55	92
30.	93	51	93	48	91	52	88	52	98	58	99	74	98	58	97
31.	94	48	86	65	89	51	94	53	99	59	103	70	99	57	97
Mns.	90.1	47.7	89.3	46.0	87.2	53.6	87.7	52.6	95.0	54.3	102.7	63.8	97.3	47.6	88.9